

SOV/122-59-4-5/28.

Experimental Relations for the Determination of Friction  
Coefficients in the Tooth Contact of Gear Wheels

shear strength of the oil corresponding to a friction coefficient of 0.08 at one end and the breakdown of the thickness of the oil layer corresponding to a friction coefficient of 0.02. Between these values the formula is said to represent the friction between gear teeth within an accuracy of 15%, either way.

There are 1 figure, 1 table and 3 Soviet references.

Card 3/3

KUZ MIN, N.F.

PHASE I BOOK EXPLOITATION  
Sov/5053  
Vsesoyuznaya konferentsiya po treniyu i iznosu v mashinakh. 34,  
1958.

Iznos i iznosostoykost'. Antifrictionnyye materialy (Wear and  
Wear Resistance. Antifriction Materials) Moscow, Izd-vo AN  
SSSR, 1960. 273 p. Krata slip inserted. 3,500 copies printed.  
(Series: Ita: Trudy, v. 1)

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.  
Resp. Ed.: M. M. Khrushchov, Professor; Eds. of Publishing  
House: M. Ya. Klebanov, and S. L. Opik; Tech. Ed.:  
T. V. Polyakova.

PURPOSE: This collection of articles is intended for practicing  
engineers and research scientists.

COVERPAGE: The collection, published by the Institut mashinovedeniya,  
AN SSSR (Institute of Science of Machines, Academy of Sciences  
USSR) contains papers presented at the III Vsesoyuznaya Kon-  
ferentsiya po treniyu i iznosu v mashinakh (Third All-Union  
Conference on Friction and Wear in Machines) which was held  
April 9-15, 1958. Problems discussed were in 5 main areas:  
1) Hydrodynamic Theory of Lubrication and Friction Bearings  
(Chairman: Ye. M. Gut'yar, Doctor of Technical Sciences, and  
A. K. P'yechkov, Doctor of Technical Sciences); 2) Lubrication  
and Lubricant Materials (Chairman: G. V. Vinogradov, Doctor of  
Chemical Sciences); 3) Dry and Boundary Friction (Chairman:  
B. V. Deryagin, Corresponding Member of the Academy of Sciences  
USSR, and I. V. Kragel'skiy, Doctor of Technical Sciences);  
4) Wear and Wear Resistance (Chairman: M. M. Khrushchov,  
Doctor of Technical Sciences); and 5) Friction and Antifric-  
tion Materials (Chairman: I. V. Kragel'skiy, Doctor of Tech-  
nical Sciences, and M. M. Khrushchov, Doctor of Technical  
Sciences). Chairman of the general assembly (on the first and  
last day of the conference) was Academician A. A. Blagonravov.  
L. Yu. Fruzanskiy, Candidate of Technical Sciences, was sci-  
entific secretary. The transactions of the conference were  
published in 3 volumes, of which the present volume is the  
first. This volume contains articles concerning the wear and  
wear resistance of antifriction materials. Among the topics  
covered are: modern developments in the theory and experi-  
mental science of wear resistance of materials, specific data  
on the wear resistance of various combinations of materials,  
methods for increasing the wear resistance of certain materials,  
the effects of friction and wear on the structure of materials,  
the mechanism of the seizing of metals, the effect of various  
types of lubricating materials on seizing, abrasive wear of a  
wide variety of materials and components under many different  
conditions. Modern developments in antifriction materials, and  
the effects of finish machining on wear resistance. Many per-  
sonalities are mentioned in the text. References accompany most  
of the articles.

Khrushchov, M. M. Increasing the Wear Resistance of Steel  
by Means of Treatment by a Flow of Compressed High-Tem-  
perature Gases

93

2. Seizing of Metals. Structural Changes in Metals  
Due to Friction. Mechanical Properties of Metals.

Ambinder, J. B., and A. S. Franch. On the Mechanism of  
the Formation and Breakdown of Tripping in the Case of  
Friction of Metals

99

Vinogradov, Yu. M. Effect of Sulfides on the Friction and  
Wear of Metals

105

Gentkin, A. D., M. P. Kur'yan, and Yu. A. Misharin. In-  
vestigation of the Seizing of the Surfaces of Steel Rollers

115

Gentkin, A. D., and Yu. A. Misharin. Method for Testing  
the Lubricating Capacity of Oils in a Gear Box

122

Card 6/13

7

ACC NR: AP7003845

(A)

SOURCE CODE: UR/0122/67/000/001/0045/0047

AUTHORS: Tverdokhle, V. G. (Engineer); Kuz'min, N. F. (Candidate of technical sciences, Docent)

ORG: none

TITLE: Slip bearings of AST-T plastic and of its compositions

SOURCE: Vestnik mashinostroyeniya, no.1, 1967, 45-47

TOPIC TAGS: bearing material, antifriction bearing, wear resistance, friction coefficient, plastic, bronze/ AST-T plastic, Br. OTsS 6-6-3 bronze

ABSTRACT: The results of tests of slip bearings with bushings of AST-T plastic are discussed. The bearings operated in oil on a test bench with three working friction sections. The AST-T plastic contained fillers of S-1 colloidal graphite, barium sulfate, zinc oxide, and talc. For comparison, bushings of Br. OTsS 6-6-3 bronze were also studied. It was found that increasing the filler content above 5--10% caused practically no improvement in the antifriction properties of the bushings (see Fig. 1). The wear resistance and bearing capacity of the AST-T bearings applied to the GA-301 pump were tested. The resistance of AST-T was found to be 1.64 times greater than that of capron. After 1200 hrs of operation in oil, the bearing capacity of the AST-T bearings was no less than that of the capron and bronze ones.

Card 1/2

UDC: 621.822.5:678.5

ACC NR: AP7003845

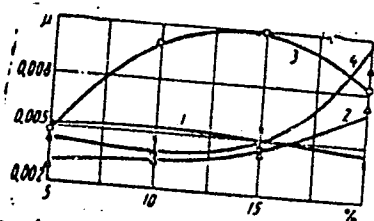


Fig. 1. Effect of filler in AST-T plastic on friction coefficient  $\mu$ :  
1 - talc; 2 - zinc oxide; 3 - graphite; 4 - barium sulfate

Orig. art. has: 5 graphs and 1 diagram.

SUB CODE: 13,11/ SUBM DATE: none/ ORIG REF: 004

Card 2/2

KUZ'NIN, N. G.

KUZ'NIN, N. G. -- "Investigation of the Forces of Friction in the Contact of Lubricated Steel Surfaces During Rolling With Slipping (Applicable Under Operating Conditions of Gears".) Sub 3 Nov 52, Moscow Order of Labor Red Banner Higher Technical School named Bauman. (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January-December 1952

PYSHKIN, I.P.; VOPIKIN, V.A.; KUZ'MIN, N.G.

Overall mechanization in the erection and repair of overhead  
communication lines. Vest. aviatsi 20 no. 12:7-9 D '60.  
(MIRA 13:12)

1. Odesskiy elektrotekhnicheskiy institut svyazi.  
(Electric lines--Overhead) (Chain saws)

KUZ'MIN, N.G.; MALYUSOV, V.A.

High-speed wetted-wall rectification. Basic relationships of  
mass transfer during rectification in single tubes. Khim. prom.  
no.5:351-357 My '64. (MIRA 17:9)

MALYUSOV, V.A.; MALAFEYEV, N.A.; KUZ'MIN, N.G.; ZHAVORONKOV, N.M.;  
Prinimala uchastiya POLIGONAYA, I.V.

Studying high-speed uniflow rectification in a multistage  
tubular apparatus. Khim. prom. no.6:458-461 Je '64. (MIRA 18:7)

GRIGOR'YAN, G.S., prof.; KISTANOV, Ya.A., prof.; FEFILOV, A.I., dots.;  
GENKINA, L.S., dots.; VASIL'YEV, S.S., dots.; SEREBRYAKOV, S.V.,  
prof.; DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dots.; GOGOL',  
B.I., doktor ekon. nauk; SMOTRINA, N.A., dots.; KULIKOV, A.G.,  
prof.; KUZIN, N.I., dots.[deceased]; AVETISYAN, Ye., red.;  
MUKHIN, Yu., tekhn. red.

[Economics of Soviet trade] Ekonomika sovetskoi trgovli;  
uchebnik. 2., dop. izd. Moskva, Politizdat, 1963. 519 p.  
(MIRA 16:12)

(Russia--Commerce)

KUZ'MIN, N.I.; ROMEYKO, V.P.

Cabs of the new motor vehicles manufactured by the Minsk Automobile  
Plant. Avt.prom. no.9:32-33 S '61. (MIRA 14:9)

1. Minskiy avtozavod.

(Minsk--Motor vehicles)

SOV/118-59-3-21/22

11(4)  
AUTHOR: Kuz'min, N.I., and Mikheylov, F.I., Engineers  
TITLE: Elastic Containers for Liquid Loads (Elasticheskiye kontey-  
nery dlya zhidkikh грузов)  
PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1959,  
Nr 3, pp 61-63 (USSR)  
ABSTRACT: This article briefly surveys types of elastic containers  
used for transporting oil products in certain Western  
countries including Sweden and Great Britain. There are  
4 photographs and 2 diagrams.

Card 1/1

SOSUNOV, Nikolay Alekseyevich; GRUNENYSHEV, Nikolay Aleksandrovich;  
KUZ'MIN, Nikolay Ivanovich; POMYKANOV, Nikolay Nikolayevich;  
SHCHEGOLEV, A.F., red.; GROMOV, N.D., red. izd-va;  
VAYNSHTEYN, Ye.B., tekhn. red.

[Mechanization of loading and unloading operations in transportation; review based on the materials of a thematic exhibition]  
Mekhanizatsiia pogruzochno-razgruzochnykh rabot na transporte;  
obzor po materialam tematicheskoi vystavki. Moskva, Gos.nauchno-  
tekh. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1962.  
223 p. (MIRA 15:3)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR.  
(Loading and unloading)

KUZ'MIN, N. L.

Kuz'min, N. L. - "Calculation of frames by the method of given moments," Sbornik trudov  
Stroitel'naya Mosk. soveta, Issue 2, 1948, p. 176-77

SO: U-3600, 10 July 53. (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

KUZMIN, N. L.

Technology

Problems on the theory of construction (structural mechanics); part 1 - problems; part 2 - solutions  
Moskva, Gos. izd-vo stroit. lit-ry, 1950

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 101 (USSR) SOV/124-58-2-2218

AUTHOR: Kuz'min, N. L.

TITLE: A Simplified Method for the Solution of Frame Problems in Terms of Deformations (Uproshchennyi metod resheniya ram v deformatsiyakh)

PERIODICAL: V sb.: Issledovaniya po teorii sooruzheniy. Nr 7, Moscow, Gosstroyizdat, 1957, pp 495-510

ABSTRACT: The paper develops the idea of Van Guan-yuan' (Kharbin Polytechnic Institute, Chinese People's Republic), arriving at the use of a more highly developed fundamental system than the usual one. The special characteristic of the simplification proposed here consists in the fact that a part of the unknown quantities is eliminated at the stage of the establishment of the canonical system of equations. As compared with the classical method the elimination of the part of the unknown quantities consumes additional time (construction of several auxiliary curves and computations). At the end of the paper the author provides a method for the calculation of multi-story multi-bay frames for three cases, when the influence of displacements is insignificant. The loads are divided into groups that act upon adjacent spans. The influence of these

Card 1/2

SOV/124-58-2-2218

A Simplified Method for the Solution of Frame Problems (cont.)

loads on the bending moments in the more remote beams is small. Therefore, the rotations of only the nearest joints are considered. Summation is performed at the concluding stage of the calculation. A similar method is employed in the solution of infinite regular systems of equations with the use of abbreviated systems [Kantorovich, L. V., Krylov, V. I., Priblizhennyye metody vysshego analiza (Approximate Methods of Higher Analysis). Moscow-Leningrad, Gostekhizdat, 1949, paragraph 2, p 30].

L. K. Narets

Card 2/2

PHASE I BOOK EXPLOITATION SOV/5422

Kuz'min, Nikolay Leonidovich, Candidate of Technical Sciences, Peter Andreyevich Lukash, Candidate of Technical Sciences, and Iosif Yefimovich Mileykovskiy, Candidate of Technical Sciences.

Raschet konstruksiy iz tonkostennykh sterzhney i obolochek (Construction Designs From Thin-Walled Shafts and Casings) Moscow, Gosstroyizdat, 1960. 260 p.  
Errata slip inserted. 7,000 copies printed.

Scientific Ed.: N.N. Leont'yev, Candidate of Technical Sciences; Ed. of Publishing House: N.M. Khalafyants; Tech. Ed.: Ye. K. Garnukhin.

PURPOSE: This book is intended for construction engineers, project planners and designers, students and aspirants at construction schools of higher education.

COVERAGE: The book discusses problems dealing with the strength, stability, and vibration of thin-walled bars and shells. The theory of thin-walled bars and the variation method established by B.Z. Vlasov are described. Particular attention is given to practical computations methods, and numerous examples are given. Ch. 1 was written by N.L. Kuz'min, Ch. 2 by P.A. Lukash, Ch. 3 by I.Ye. Mileykovskiy. No personalities are mentioned. There are 8 references, all Soviet.

Card 1/5

KUZ'MIN, N.L., kand. tekhn. nauk; REKACH, V.G., doktor tekhn. nauk;  
ROZENBLAT, G.I., kand. tekhn. nauk; RABINOVICH, I.M., red.;  
GORYACHEVA, T.V., red.izd-va; KOMAROVSKAYA, L.A., ~~tekhn.~~red.

[Collection of problems for a course in structural mechanics;  
pt. I - Problems, Pt.II - Answers and solutions]Sbornik zadach  
po kursu stroitel'noi mekhaniki; ch.I - Zadachi, ch.II - Otvety  
i reshenia. Pod red. I.M.Rabinovicha. Izd.2., perer. Moskva,  
Gosstroifizdat, 1962. 331 p. (MIRA 16:2)

1. Chlen-korrespondent Akademii nauk SSSR, deystvitel'nyy chlen  
Akademii ~~stroitel'stva~~ i arkhitektury SSSR (for Rabinovich).  
(Structures, Theory of)

BELYAYEV, V.P.; KALINACHENKO, V.R.; KUZMIN, N.M.; YAKIMENKO, L.N.;  
ARSHANSKIYA, V.M.; RUDEYCHIK, Yu.I.; SHEVCHUK, I.G.;  
SHKLOVER, L.P.; BURAVLEV, Yu.M.; PEROPELKINA, M.A.;  
USTINOVA, V.I.; NEUYMINA, G.P.; ENGEL'SHT, V.S.; TRAPITSYN, N.F.;  
BULANOV, Yu.A.

Exchange of experience. Zav.lab. 28 no.6:685-687 '62.

(MIRA 15:5)

1. Khimicheskiy zavod imeni Voykova (for Shklover).
2. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (for Buravlev, Peropelkina, Ustinova, Neuymina).
3. Kirgizskiy gosudarstvennyy universitet (for Engel'sht, Trapitsyn, Bulanov).  
(Spectrum analysis)

KUZ'MIN N.M.; BELYAYEV, V.P.; KALINACHENKO, V.R.; YAKIMENKO, L.M.

Chemical-spectral method of the analysis of high-purity  
alkalies. Zav. lab. 29 no.6:691-692 '63. (MIRA 16:6)

(Alkalies) (Spectrochemistry)

ZOLOTOV, Yu.A.; KUZ'MIN, N.M.; LAMBREV, V.G.

Extraction of inner-complex compounds in the presence of salts. Part 1:  
Extraction of hydroxyquinolates from solution having the high content  
of potassium chloride and sodium iodide. Trudy Kom. anal. khim. 15:51-58

KUZ'MIN, Nikolai Mikhailovich.

My work practice on a vertical lathe Moskva Profizdat, 1953. 76 P.  
(Novatory sotsialisticheskogo proizvodstva) (54-38774)

TJ1218.K85

KUZ'MIN, Nikolay Mikhaylovich, laureat Stalinskoy premii, tokar' zavoda  
"Krasnyy proletariy" imeni A.I.Yefremova; CHERNOV, A.L., redaktor;  
ISLENT'YEVA, P.G., tekhnicheskiiy redaktor.

[Rapid metal cutting and the growth of labor productivity in  
machine building] Skorostnoe rezanie metallov i povyshenie pro-  
izvoditel'nosti truda v mashinostroenii. Moskva, Izd-vo "Znanie",  
1955. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniю poli-  
ticheskikh i nauchnykh znaniy. Ser.4, no.33) (MLRA 8:11)  
(Machinery industry) (Metal cutting)

KUZ'MIN, Nikolay Mikhaylovich, tokar'-karusel'shchik; GUROV, S., redaktor;  
~~FAKOVLEVA~~, Ye., tekhnicheskii redaktor

[At high speed and with large feed] Na vysokikh skorostiakh i bol'shikh podachakh. [Moskva] Moskovskii rabochii, 1956. 71 p. (MLRA 9:8)

1. Zavod "Krasnyy proletariy" (for Kus'min)  
(Machine-shop practice) (Metal cutting)

ZUBEKOV, I.I., kand. tekhn. nauk; ROMANOV, A.P., kand. tekhn. nauk;  
TETEREV, M.N., kand. tekhn. nauk; UGRYUMOV, A.N., kand. tekhn. nauk;  
KUZ'MIN, N.N., inzh. (g. Leningrad)

"Aspects of railroad operation. Zhel. dor. transp. 41 no.1:94-96  
Ja '59. (MIRA 12:1)  
(Railroads)

KUZ'MIN, Nikolay Nikolayevich; NARUSOVA, I.Ya., red.; DOTSENKO,  
A.A., tekhn. red.

[Harmonious development of a man] Garmonicheskoe razvitie  
cheloveka. Moskva, Fizkul'tura i sport, 1963. 67 p.  
(MIRA 17:2)

RUSSIAN, N. P.

USSR/Chemical Technology -- Chemical Products and Their Application. Mineral Salts. Oxides. Acids. Bases, I-5

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1400

Author: Kuz'min, N. P.

Institution: All-Union Science Research Institute of the Salt Industry

Title: Production of High-Quality Baskunchak Salt by Purification

Original

Periodical: Tr. Vses. n.-i. in-ta solyanoy prom-sti, 1954, No 1, 4-31

Abstract: The results from experiments (in the pilot plant with a capacity of 6 t/hr) on the purification of Baskunchak salt from 0.5-0.8% muddy impurities (giving the salt a dirty yellow color) to an impurity content of 0.04-0.05% are presented. Table salt is obtained by the purification of the salt by washing the crushed salt (particle size 0.8-1.2 mm) with brine. A method has been developed for the production of high-quality table salt from Baskunchak and other salts. The economic feasibility of the construction of plants in the consumer regions is also shown.

Card 1/2

USSR/Chemical Technology -- Chemical Products and Their Application. Mineral  
Salts. Oxides. Acids. Bases, I-5

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1400

Abstract: The need for the establishment of a whiteness scale for table salt  
is pointed out. Also noted is the importance of subjecting the  
salt to a size classification in order to improve its appearance.

Card 2/2

KUZ'MIN, N.P., kand.tekhn.nauk

New cyclone wetted-wall evaporator used for concentrating  
aluminate solutions by boiling. Khim.mash. no.2:1-4 Mr-Ap  
'60. (MIRA 13:6)  
(Evaporating appliances)  
(Aluminates)

KUZ'MIN, N.P.

Highly effective vertical, louvered spray trap for evaporators.

TSvet. met. 36 no.5:82-84 My '63.

(MIRA 16:10)

KUZ'MIN, N.P.; SOROKIN, Yu.L.; ROY'MAN, A.Ye.

Methodology of designing separators in evaporating units.  
TSvet. met. 38 no.2:59-64 F '65. (MIRA 18:3)

KUZ'MIN, N. S.

SAMRINA, V. K, - arkh, i KUZ'MIN, N. S. - Kand. arkh.

Nauchno-issledovatel'skiy institut sel'skogo i kolkhoznogo stroitel'stva  
Akademii arkhitektury SSSR.

Opyt Stroitel'stva Zhilykh Domov Kolkhoznikov iz Kirpichno-Samannykh Blokov.  
Page 77

SO: Collection of Annotations of Scientific Research Work on Construction, com-  
pleted in 1950, Moscow, 1951

KUZ'MIN, N. S.

Experimental building of adobe dwellings. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1951. 66 p. (52-30329)

TH1421.K8

TOPCHIIY, Dmitriy Nikitich; NIKANDROV, B.I., ~~inzh.~~, retsenzents; KUZ'MIN, N.S., kand. arkhitektury, dots., retsenzents; ZUBKOVA, M.S., red. ~~izd-va~~; GOL'BERG, T.M., tekhn. red.

[Agricultural buildings and structures] Sel'skokhoziaistvennye zdaniia i sooruzheniia. Izd.2., perer. i dop. Moskva, Gosstroizdat, 1962. 398 p. (MIRA 15:12)

1. Direktor Gosudarstvennogo instituta po proyektirovaniyu sel'skokhozyaystvennykh sooruzheniy (for Nikandrov). 2. Rukovoditel' kafedry promyshlennykh, grazhdanskikh i sel'skokhozyaystvennykh sooruzheniy Novosibirskogo inzhenerno-stroitel'nogo instituta (for Kuz'min).

(Farm buildings)

GURVICH, A.M., professor, doktor tekhnicheskikh nauk; KUZ'MIN, N.V.,  
kandidat tekhnicheskikh nauk.

Degree of black surface in grate-type furnaces. Teploenergetika  
2 no.11:16-19 N '55. (MLRA 9:1)

1. Tsentral'nyy kotloturbinnyy institut.  
(Furnaces) (Heat--Radiation and absorption)

*Kuz'min, N. V.*

137-1957-12-24194

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 185 (USSR)

AUTHOR: Kuz'min, N. V.

TITLE: Electrical Slag Welding of Low-carbon Steel Parts  
(Elektroshlakovaya svarka detaley iz malouglerodistoy stali)

PERIODICAL: V sb.: Raboty M-va elektrotekhn. prom-sti SSSR po mekhaniz.  
i avtomatiz. mar. s. kh-a. Vol 2, Moscow, 1956, pp 150-153

ABSTRACT: The plant "Elektrosila" has adopted an electrical slag welding process (ESW) for low-carbon discs 40-140 mm thick and having a 2200-4800 outside diameter. The welding of discs from two half-rings is accomplished by means of the automatic unit A-372 (700-750 amp. a.c.) which employs 1-2 welding wires of SV-08 steel 3 mm in diameter, in the presence of AN-348 flux; the parts involved are held in a vertical position by means of two fixtures. The mechanical properties of the seams ( $\sigma_b$  40-45 kg/mm<sup>2</sup> and  $\varphi$  180°) meet the requirements necessary for parts intended for electrical machines of welded construction. The ESW is 2.8 times less expensive than the automatic welding performed by the ADS-1000-2 unit, and 5.3 times less expensive than welding performed manually with the employ-

Card 1/2

137-1957-12-24194

Electrical Slag Welding of Parts From Low-carbon Steel

ment of OMM-5 electrodes. Techniques for the assembly and for the ESW of discs are presented, also operating conditions of detailed technical and economic data for manual welding with OMM-5 electrodes, welding by means of the automatic ADS-1000-2 unit, and the ESW with the automatic A-372 unit. For welded constructions fabricated by means of ESW, killed low-carbon steel is recommended.

V. S.

1. Steel-Arc welding
2. Steel-Submerged melt welding
3. Submerged melt welding-Applications

Card 2/2

KUZ'MIN, N.V., kandidat tekhnicheskikh nauk; ZORICHEV, V.D.

Letter to the editor. Teploenergetika 3 no.12:58-59 D '56.  
(MLRA 9:12)

1. Nachal'nik otдела maloy energetiki TSentral'nogo kotloturbia-  
nogo instituta (for Kuz'min). 2. Glavnyy inzhener Biyskogo kotel'-  
nogo zavoda (for Zorichev).  
(Boilers)

KUZ'MIN, Nikolay Vasil'yevich, kand. tekhn. nauk; SHATSILLO, O.I., red.;  
FREDER, D.P., red. izd-va; GVIRTIS, V.L., tekhn. red.

[Ways of improving the operational and economic efficiency of low-pressure boiler systems] Puti povysheniia proizvoditel'nosti i ekonomichnosti kotel'nykh ustanovok niskogo davleniia. Leningrad, 1961. 37 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Energetika, no.6) (MIRA 14:9)  
(Boilers)

SIL'NITSKIY, Aleksandr Konstantinovich, prof.; KUZ'MIN, N.V., red.; FO-  
MICHEV, A.G., red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Maintaining the efficiency of industrial boiler rooms; survey of  
operating procedures] Podderzhanie ekonomichnosti promyshlennykh  
kotel'nykh. Eksploatatsionnye meropriatia. Obzor. Leningrad,  
1961. 53 p. (MIRA 14:7)

(Boilers)

KUZ'MIN, N.V., inzh.

Surface cutting with natural gas and oxygen. Energomashinostroenie  
9 no.1:33-34 Ja '63. (MIRA 16:3)  
(Gas welding and cutting)

NARYCHEV, A.A.; KUZ'MIN, N.V.; RABINA, E.V. (Moskva)

Case of gastric parithelioma. Arkh. pat. 27 no.9:71-73 '65.  
(MIRA 18:12)

1. Kafedra fakul'tatskoy khirurgii (zav.- prof. N.N. Yelanskiy  
[deceased]) i kafedra patologicheskoy anatomii (zav.- chlen-  
korrespondent AMN SSSR prof. A.I. Strukov) I Moskovskogo ordena  
Lenina meditsinskogo instituta imeni I.M. Sechenova. Submitted  
July 14, 1964.

ORLOVA, Vera Mikhaylovna; KUZ'MIN, O.

[High production of polished glass by one polishing machine] Vysokie s"emy  
polirovannogo stekla s odnogo stanka. [Literaturnaya zapis' O.Kuz'mina]  
Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1952. 25 p. (MLBA 6:7)  
(Glass manufacture)

KUZ'MIN, O.  
ORLOV, A.; KUZ'MIN, O.

Resurrected features. Znan. sila 32 no.3:44 Mr '57.  
(Gerasimov, Mikhail Mikhailovich)

(MIRA 10:6)

KUZ'MIN, P., polkovnik

Barrage fire. Voen. vest 43 no.1:69-71 Ja '64.

(MIRA 17:1)

KUZ'MIN, Patr. Aleksandrovich; STAVROVSKIY, A.Ye., redaktor; PROFERANSOVA,  
N.V., redaktor; GOROKHOV, Yu.N., tekhnicheskii redaktor

[The school and agriculture; work practice of schools in Barysh  
District, Ul'yanovsk Province] Shkola i sel'skoe khoziaistvo; iz  
opyta raboty shkol Baryshskogo raiona Ul'ianovskoi obl. Pod red.  
A.E.Stavrovskogo. Moskva, Izd-vo Akademii pedagog. nauk RSFSR,  
1956. 19 p. (MIRA 9:11)

(Barysh District--Agriculture--Study and teaching)

KUZ'MIN, P. A.

Zamechaniye o smene ustoychivosti ustanovivshegosya dvizheniya. Kazan', trudy  
aviats. in-ta, 4 (1935).

SO: Mathematics in the USSR, 1917-1947

Edited by Kurosh, A. G.,

Markusevich, A. I.

Rashevskiy, P. K.

Moscow-Leningrad, 1948

KUZ'MIN P.A.

Stability of circularity of an elastic jet . Trudy KAI 20:69-91  
'48. (MLRA 10:6)

(Jets)

KUZ'MIN, P. A.

32454. Kuz'min, P. A. Novyye gazovyye probory LNIKKHa. (Doklad na konferentsii, sozv. Nauch.-issled. in-tom kommunal. khozyaystva Ispolkoma Lengorsoveta. May 1949 g.) Materialy po kommunal. khoz-vu, 1949, sb. 3 s. 12-21.

SO: Letopis' Zhurnal'nykh Statey Vol. 44

KUZ' MIN. P.A.

Stability of circularity of a jet with a countable number of degrees  
of freedom. Trudy KAI 22:3-15 '49. (MIRA 10:6)  
(Jets)

USSR/Mathematics - Revolving Bodies Mar/Apr 52

"Supplement to V. A. Steklov's Case of Motion of a Heavy Solid Body Around a Motionless Point," P. A. Kuz'min, Kazan

"Prikladnaya Matematika i Mekh" Vol XVI, No 2, pp 243-245

Attempts to simplify solns of problem by V. A. Steklov (cf. "New Particular Solution of Differential Equations of Motion of a Heavy Solid Body, Possessing One Motionless Point," Transactions of Section of Phys Sci of Soc of Amateurs of Natural Sci" 1899, Vol X, No 1) and soln by S. A. Chaplygin (cf. "New

209771

USSR/Mathematics - Revolving Bodies Mar/Apr 52  
(Contd)

Particular Solution of Problem of Rotation of Solid Body Around Motionless Point" ibid. 1903, Vol XI; Collection of Works, Vol I, 1948, OGIZ). Received 18 Dec 51.

209771

KUZ'MIN, P. A.

KUZ'MIN, P.A.

Special cases of motion of heavy solid bodies about an immobile  
point (in works of Russian scientists). Trudy KAI 27:91-121 '53.  
(Motion) (Differential equations) (MLRA 10:6)

KUZ'MIN, P. A.

"A Method of Integrating Linear Differential Equations With Constant Coefficients," Tr. Kazansk aviat. in-ta, Vol 28, 1953, pp. 75-86

The author gives a method for transforming the system

$$\frac{dx_s}{dt} = p_{s1}x_1 + \dots + p_{sn}x_n \quad (s=1, 2, \dots, n)$$

with constant coefficients into triangular form. This method is effective when the exact values of the roots of the characteristic equation are known.

RZhMat, No 3, 1955

KUZ'MIN, P. A.

USSR/Mathematics - Stability

Card 1/1

Author : Kuz'min, P. A.

Title : On the theory of stability of motion

Periodical : Prikl. mat. i mekh., 18, 125-127, Jan/Feb 1954

Abstract : Considers a linear system of equations of disturbed motion with variable, continuous and bounded coefficients. Uses the idea of Lyapunov functions to formulate and prove two theorems, one on stability, and the other on the asymptotic quality of stability. The article concludes with a brief application of these theorems to transformations of systems of equations.

Institution :

Submitted : November 10, 1953

*KUZ' MIN, Petr Aleksseyevich*

KUZ' MIN, Petr Aleksseyevich; PROK, Aleksandr Yudimovich; UDAL'TSOV, A.N.,  
glavnyy red.; TOLCHINSKIY, Ye.M., inzh.red.

[Device for determining the specific weight of gases. Resistance thermometer for taking the temperature of surfaces] Pribor dlia opredeleniia udel'nogo vesa gazov. Termometr soprotivleniia dlia izmereniia temperatury poverkhnostei. Moskva, In-t tekhniko-ekon.inform., 1956. 9 p. (Priory i stendy. Tema 4, no. P-56-447)  
(MIRA 11:2)

1. Moscow. Institut tekhniko-ekonomicheskoy informatsii.  
(Gases--Measurement) (Thermometers)

AUTHOR KUZ'MIN, P.A. PA - 2219  
 TITLE Stability in the Case of Parametric Disturbances (Ustoychivost' pri parametricheskikh vosmuscheniyach).  
 PERIODICAL Prikladnaia Matematika i Mekhanika, 1957, Vol 21, Nr 1, pp 129-132 (U.S.S.R.)  
 Received 3/1957 Reviewed 5/1957  
 ABSTRACT The structure of the disturbances investigated here is fully determined by the field of the principal forces of the undisturbed motions. The physical origin of the disturbing forces is here connected with the disturbance of the various kinds of physical parameters, which go over into the differential equations of the motion of any material system. The totality of motions may be assumed to be described by the differential equations  $dy_s/dt = f_s(t, y_1, \dots, y_n, a_1, \dots, a_n)$  ( $s = 1, \dots, n$ ),  $da_j/dt = 0$  ( $j = 1, \dots, k$ ). The author separates a certain undisturbed motion  $y_s = \varphi_s(t)$ ,  $a_j = d_j$ , and introduces the deviations  $x_s = y_s - \varphi_s$ ,  $\epsilon_j = a_j - d_j$  of all other motions that are possible in the system under investigation. By means of these substitutions a differential equation for the disturbed motion is obtained. The disturbing forces here have a strictly determined character. The above mentioned differential equations are based directly or indirectly on a satisfactory agreement with the experiment. In the case of the experiments certain disturbing forces will act even in the case of the greatest correctness of the theory, because the parameters are disturbed. The various possibilities of agree-

Card 1/2

Stability in the Case of Parametric Disturbances.

PA - 2219

ment between theory and experiment are discussed. The deliberations made here are based on the ideas of LYAPUNOV and G.N. CHETAYEV. The following conclusions are, among others, drawn: To satisfy the demands of stability with disturbing forces of any structure is obviously too great and too unjustified a sacrifice, because it entails renouncing the mechanics of conservative systems, giving up the model of smooth bindings, etc. The algorithmic methods for the investigation of the stability of a motion with parametric disturbances belong to those theorems which are similar to those of LYAPUNOV (or more accurately to his second method). The problem without becomes more complicated. Above all a method should be developed which is connected with the construction of definite integrals (with respect to the sign) for the disturbed motions.  
(No illustrations)

ASSOCIATION Not given  
PRESENTED BY  
SUBMITTED 25. 7. 1955  
AVAILABLE Library of Congress  
Card 2/2

KUZ'VIN, P.A.

Theory of permanent rotations. Izv. vys. ucheb. zav.; av. tekhn.  
no.2:16-19 '58. (MIRA 11:6)

1. Kazanskiy aviatsionnyy institut, Kafedra teoreticheskoy  
mekhaniki.

(Motion)

MATROSOV, V.M.; KUZ'MIN, P.A., doktor fiz.-matem.nauk, otv.red.;  
YEVGRAFOVA, L.N., otv.za vypusk

[Stability of gyroscopic systems] K voprosu ustoichivosti  
giroskopicheskikh sistem. Kazan', 1959. 23 p. (Kazan.  
Aviatsionnyi institut. Trudy, vol.49) (MIRA 14:2)  
(Gyroscope)

KUZ'MIN, P.A. (Kazan')

Quadratic integrals of linear mechanical systems. Prikl.mat.i  
mekh. 24 no.3:575-577 My-Je'60. (MIRA 13:10)  
(Differential equations, Linear)

KUZ'MIN, P. A.

"Steady-state motion of a solid body and its stability in a central gravitational field"

Report presented at the Conference on Applied Stability-of-Motion Theory and Analytical Mechanics, Kazan Aviation Institute, 6-8 December 1962

KUD'MIN, P.O.

New type of small gas injection burner. Invent. Party KKH no. 23.60-  
54 '63. (MIRA 17/16)

AMINOV, M.Sh., red.; BOGOYAVLENSKIY, A.A., red.; KALININ, S.V.,  
red.; KUZ'MIN, P.A., red.; LUR'YE, A.I., red.;  
MATROSOV, V.M., red.; RUMYANTSEV, V.V., red.;  
SRETENSKIY, L.N., red.

[Proceedings of the interuniversity conference on the  
applied theory of the stability of motion and on analytic  
mechanics] Trudy Mezhvuzovskoi konferentsii po prikladnoi  
teorii ustoychivosti dvizheniia i analiticheskoi mekhanike.  
Kazan', Kazanskii aviatsionnyi in-t, 1964. 144 p.

(MIRA 18:12)

1. Mezhvuzovskaya nauchnaya konferentsiya po analiticheskoy  
mekhanike i ustoychivosti dvizheniya, Kazan, 1962.

KUZ'MIN, P.A.

Gurvits's theorem in the direct method of Liapunov. Trudy  
KAI no.71:3-11 '62. (MIRA 18:5)

DUNDUKOV, M.D., inzhener; SAMSONOV, V.N.; KARPENKO, F.A.; KRIGER, N.I.;  
KUZ'MIN, P.G., kandidat tekhnicheskikh nauk; SHEL'YAPIN, R.S.,  
kandidat tekhn. nauk; MAKSIMOV, O.N., inzhener; MALYSHEV, M.I.,  
professor; RODSHTEYN, A.G., kandidat tekhn. nauk; GOL'DSHTEYN, M.N.  
professor; ABKLEV, Yu.M., professor.

Discussion of the problem of building on coarsely porous settling  
soils. Stroi. prom. 33 no.5:40-45 May '55. (MLRA 8:6)  
(Soil mechanics)

902 1014 1-5  
KUZ'MIN, P.G., kand. tekhn. nauk, dots.

Calculating the deformations of foundation beds for multistoried  
buildings and comparing them with results of natural observations.  
Sbor. trud. MISI no.14:57-115 '56. (MLRA 10:9)  
(Foundations)

RUZHIN, P. G., Cand. Techn., Novaya Pechmaysk, KEM 100 52, and POLOV, B. P.,  
Cand. Techn., Scientific Research Institute of Soil Mechanics  
and Foundations, Moscow, and YEMOROV, K. M., Cand. Techn.,  
Scientific Research Institute of Soil Mechanics and Foundations

"The Observed Settlements of Buildings as Compared with Preliminary  
Calculations," a paper submitted at the 4th International Conference of the  
International Society of Soil Mechanics and Foundation Engineering, London,  
12-24 Aug 57.

KUZ' MIN, I G.

124-58-9-10407

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 143 (USSR)

AUTHORS: Yegorov, K. Ye., Popov, B. P., Kuz'min, P. G.

TITLE: Actual Settling of Tall Buildings and Its Comparison With Calculated Values (Fakticheskiye osadki vysoznykh zdaniy i sravneniye ikh s raschetnymi)

PERIODICAL: V sb.: Materialy k 4-mu Mezhdunar. kongressu po mekhan. gruntov i fundametostr., Moscow, AN SSSR, 1957, pp 88-99

ABSTRACT: Bibliographic entry

1. Structures--Stability 2. Mathematics--Applications

Card 1/1

TSYTOVICH, N.A., prof.; VESELOV, V.A., dotsent, kand.tekhn.nauk; KUZ'MIN,  
 " P.G., dotsent, kand.tekhn.nauk; FERRONSKIY, V.I., kand.tekhn.  
 nauk, assistant; PITYUGIN, A.I., kand.tekhn.nauk, assistant;  
 LUGA, A.A., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; SOKO-  
 LOV, N.M., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; SAVINOV,  
 O.A., doktor tekhn.nauk; KOSTERIN, E.V., kand.tekhn.nauk, assistant.  
 Prinimali uchastiye: AKINSHIN, V.M.; MARTSENYUK, V.I., starshiy  
 laborant. VASIL'YEV, B.D., prof., doktor tekhn.nauk, retsenzent;  
 BEREZANTSEV, V.G., prof., doktor tekhn.nauk, retsenzent; LAGAR'KOV,  
 N.I., inzh., nauchnyy red.; SMIRNOVA, A.P., red.izd-va; NAUMOVA,  
 G.D., tekhn.red.

[Foundation engineering] Osnovaniya i fundamenty. Pod red. N.A.  
 TSytovicha. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i  
 stroit.materialam, 1959. 452 p. (MIRA 13:5)

1. Chlen-korrespondent AN SSSR (for TSytovich). 2. Zaveduyushchiy  
 laboratoriyey kafedry osnovaniy i fundamentov Moskovskogo inzh-  
 nernc-stroitel'nogo instituta imeni V.V.Kuybysheva (for Akinshin).
3. Zaveduyushchiy kafedroy osnovaniy i fundamentov Leningradskogo  
 instituta inzhenerov zheleznodorozhnogo transporta imeni akademika  
 V.N.Obratsova (for Berezantsev).

(Foundations)

(Soil mechanics)

KUZ'MIN, Petr Gavrilovich; FERRONSKIY, Vasilii Ivanovich;  
DALMATOV, B.I., prof., doktor tekhn. nauk, retsenzent;  
BORODINA, N.N., red.; CHIZHEVSKIY, E.M., tekhn.red.

[Designing foundations for limiting states] Proektirova-  
nie fundamentov po predel'nyy sostoianiiam. n.p. Rosvuz-  
izdat, 1963. 66 p. (MIRA 17:1)

1. Leningradskiy inzhenerno-stroitel'nyy institut (for  
Dalmatov).

KUZ'MIN, Petr Ivanovich; RAKOVSKIY, M.Ye., redaktor; VORONIN, K.P.,  
tekhnicheskiiy redaktor

[Selection and calculation of throttles for control units] Vybor  
i raschet drosssl'nykh reguliruiushchikh organov. Moskva, Gos.  
energ. izd-vo, 1956. 111 p. (MIRA 9:9)  
(Heat engineering) (Automatic control)

Kuz'min, P.I.

AUTHOR: Kuz'min, P.I.

127-58-1-19/28

TITLE: Snow Fences With an Active Effect (Snegozashchitnyye ustroystva aktivnogo deystviya)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 1, pp 69-71 (USSR)

ABSTRACT: Fences with an "active" principle of action are extensively used in the Noril'sk Combine for the protection of railways and highways from snow-drifts. The principle of action of these fences is increasing the speed of snow flux by a compression plane, and thus blowing the snow off the road bed. The best effect of such fences is observed in winds with velocities exceeding 8 m/sec. The author describes various types of these snow fences and gives results of their effect established during the last two winters. It was established that the road beds remained clear during snow-storms blowing from various directions; the snow was carried 6 to 8 m away from the fence and settled beyond the limits of the road. The author concludes that these fences should be used widely for the protection of open mines.

Card 1/2

The article contains 4 photos and 2 diagrams.

Snow Fences With an Active Effect

127-58-1-19/28

ASSOCIATION: Noril'skiy gorno-metallurgicheskiy kombinat (Noril'sk Mining-Metallurgical Combine)

AVAILABLE: Library of Congress

Card 2/2      1. Snow fences-Effectiveness      2. Snow fences-Applications

PHASE I BOOK EXPLOITATION

SOV/5050

Kuz'min, Petr Ivanovich

Vybor i raschet drossel'nykh reguliruyemykh organov (Selection and Design of Throttle Controlling Devices) 2d rev. and enl. ed. Moscow, Gosenergoizdat, 1960. 160 p. 7,000 copies printed.

Ed.: A. S. Meleyev; Tech. Ed.: G. Ye. Larionov.

**PURPOSE:** This book is intended for engineering and technical personnel concerned with problems of automatic control of technological processes.

**COVERAGE:** The book discusses the theoretical principles and design methods of throttle controlling devices with consideration of the operating mass-flow rate characteristics. The characteristics of some of the most widespread designs of control devices are given. Calculation examples and nomograms are presented which facilitate the computations. This edition of the book, the second, has been supplemented with a description of a whole series of new control valves, the characteristics of which were published during the last two

Card 1/5

KUZ'MIN, P.I.

Increasing the effectiveness of wind-control snow fences. Avt. dor.  
23 no.10:20-21 0 '60. (MIRA 13:10)

(Snow fences)

KUZ'MIN, P.I.

Protecting highways from fog. Avt.dor. 23 no.11:26 M'60.

(MIRA 13:11)

(Roads) (Fog)

KUZ'MIN, P.I.

Increase the effectiveness of latticed snow fences. Art. dor.  
23 no. 12:14-15 D '60. (MIRA 13:12)  
(Snow fences)

KUZ'MIN, P.I.

Some problems in improving the snow retaining capacity of fixed  
grill fences under polar conditions. Stroi. v raion. Vost. Sib.  
i Krain. Sev. no.1:132-139 '61. (MIRA 17:11)

1. KUZ'MIN, P. K.
2. USSR (600)
4. Grasses
7. Mutations resembling panicgrass (*Panicum glaucum*) green foxtail (*Setaria viridis*) and barn grass (*panicum Grus galli*) from sown millet (*Panicum miliaceum*). *Agrobiologia* no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

KUZ' MIN P. K.

USSR/Cultivated Plants - Grains.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15503

Author : P.K. Kuz'min.

Inst : The Mordovian Pedagogical Institute.

Title : The Effect of Stalk Density in Winter Rye and Wheat on  
Their Being Choked by Weeds.  
(Vliyaniye gustoty stebelstoya ozimoy rzhi i pshenitsy  
na ikh zasorennost').

Orig Pub : Uch. zap. Mordovsk. ped. in-t. 1956, vyp. 3, 160-172.

Abstract : Observations of the production sowing of rye, wheat,  
oats, clover, alfalfa in Ul'yanovskaya Oblast' and the  
Mordovian ASSR have shown the possibility of practi-  
cally pure sowings when crowding the sowings up to 600-  
800 stalks for every 1 square meter. In thinned out  
sowings of rye (200-270 stalks per 1 square meter)

Card 1/2

USSR/Cultivated Plants - Grains.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15503

in the course of a summer one noted an uninterrupted growth of weeds such that the choking reached 20-50%; with 700-750 stalks per 1 M<sup>2</sup> the number of weeds growing (1000-1200 plants) was also sharply curtailed, with an enormous potential accumulation of weed seeds in the layer of soil 0-20 centimeters thick (9-11 thousand) the weed choking was cut to 1.1%.

Card 2/2

20

KUZ'MIN, P. P.

"Vertical Gradient of Wind Velocity and Air Temperature and Moisture over the Sea," Trudy GGI (Proceedings of the GGI) No 11, 1941.

SO: U-3039, 11 Mar 1953

KUZ'MIN, P. P.

"Absorption of Solar Energy by Snow Cover," No 5, pp 111-114.  
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

KUZ'NETS P. P.

"Processes of Heat Exchange, Ablation and Run-off of Glaciers in the Basin of the Zersavshan River", Tsifir GGI, No 3 ( 7), 1948 (51-160)

SO: U-3030, 11 Mar 1953

Reel 100, I.

"Investigations of the Processes of Snow Melting and the Physics Characteristics of Ice (Collection of Articles). Edited by P. F. Koz'min. Trudy GGI, No. 7 (1), Gidrometeoizdat, Leningrad, 1946. 105 pages

SO: U-3039, 11 Mar 1953

KUZ'MIN, P. P.

28963 KUZ'MIN, P. P. Usloviya Snegotayayahiya Na Skonakh Trudy Gos. Gidrol  
In- Ta. Vyp. 16, 1949, S 5-20--Bibliogr 5 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

KUZ'MIN, P. P.

28962 KUZ'MIN, P. P. Radiatsionnyy Balans Pologa Lese B Period Snegotayannya, Trudy Gos Gidrol In-Ta, Vyp, 16 1949 S. 46-73-Bibqigr: 6 Nazv.

So: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

KUZ'MIN, P. P.

"A Theoretical Scheme for Calculating the Rate of Snow Melting," Trudy of the  
State Institute of Hydrology, Ed., 24 (78), 1950

Oct 52

USSR/Meteorology - Snow Density

"Procedure for Determining Density of Moist Snow,"  
P. P. Kuz'min, Leningrad State Hydrol Inst

"Meteorol i Gidrol" No 10, pp 47-51

Kuz'min states that, in order to det the behavior of thawing and the law governing thaw water under the snow blanket, it is necessary to find the store of the solid phase and of bound water held within the snow and the store of gravitational water on the surface. If water is present on the snow's surface, the density of the solid phase

231187

and of the bound water within are detd by a density meter.

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KUZ'MIN, P. P.

KUZMIN, P. P.

PA 237T78

USSR/Geophysics - Snow Melting

Dec 52

"Concerning S. N. Bulatov's Article 'Two Works of  
P.P. Kuzmin on the Calculation of Snow Melting,'  
Cand Geog Sci P. P. Kuzmin, Leningrad State In-  
stitute of Hydrology

"Meteorol i Gidrol" No 12, pp 62-64

Kuzmin defends his article which was criticized  
in a previous issue (ibid. No 4, 1952) by Bulatov.

237T78

KUZ'MIN, P.P., kand.geograf.nauk; SHATILINA, M.K., otv.red.; SOLOVEYCHIK, A.A.,  
tekhn.red.

[Effect of forests on the thawing of snow] Vliianie lesa na  
snegotaianie. Leningrad. Gidrometeor.izd-vo 1954. 67 p. (Leningrad.  
Gosudarstvennyi gidrologicheskii institut. Trudy, no.42)  
(MIRA 12:1)

(Thawing)

(Forest influences)

KUZ'MIN, P.P. and SHAMILINA, M.K.

"Influence of Forest on Snow Thaw," Trudy Gosudarstvennogo Gidrologicheskogo Instituta (Works of the State Hydrological Institute), No 42(96), 1954, Leningrad (Responsible Editor: M.K. Shamulina; Author of monograph: P.P. Kuz'min, Candidate of Geographical Sciences).

KUZ' MIN, P.P.

KUZ' MIN, P.P.

Aqueous properties of snow. Trudy GGI no.55:41-69 '56.  
(MLRA 10:5)

(Snow)

KUZ'MIN, P.P.

Intensity of snow melt in larch forests. Trudy GGI no.55:121-162  
'56. (MLRA 10:5)

(Snow) (Forest influences) (Runoff)

KUZ'MIN, PROKOPIY PAVLOVICH

KUZ'MIN, Prokofiy Pavlovich; SPENGLER, O.A., kand.geogr.nauk, otvetstvennyy red.; STRUZER, L.R., kand.fiz.-mat.nauk, otvetstvennyy red.; GROSMAH, R.V., red.; VLADIMIROV, O.G., tekhn.red.

[Physical properties of the snow cover] Fizicheskie svoistva  
snezhnogo pokrova. Leningrad, Gidrometeor.izd-vo, 1957. 178 p.  
(MIRA 10:12)

(Snow)

KUZ'MIN, P.P.

Formula for approximate estimation of the thawing intensity of  
snow and its application in studying the course of thawing in  
the European part of the U.S.S.R. Trudy GGI no.65:5-29 '58.  
(MIRA 12:1)

(Thawing)

KUZ'MIN, P.P.

Investigating the loss of water from snow by the use of radio-  
active cobalt. Trudy GOI no.65:30-53 '58. (MIRA 12:1)  
(Thawing) (Cobalt--Isotopes)

Kuz'min, P.P.

3(47)

ВНЕШНЯЯ СРЕДА И КЛИМАТ

Внеоceanic Meteorological Year, 1957, Leningrad, 1957.

Труды... III. Симпозиум посвящен (продолжениях) III Всесоюзной метеорологической конференции, V. II. Климатическая конференция, Ленинград, 1959. 470 стр. Листы сданы в печать. 2,000 copies printed.

Sponsoring agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovets Mintrov SSSR.

Resp. Ed.: V.A. Uryayev; Ed.: V.B. Protodopov; Tech. Ed.: M.I. Bragina.

PURPOSE: This work is intended for meteorologists, hydrologists, and hydrophysicists, particularly those engaged in the study of snow and ice and evaporation processes.

COVERAGE: This book contains papers on hydrophysics which were presented and discussed at the Third All-Union Hydrological Conference in Leningrad, October 1957. The Conference published 10 volumes on various aspects of hydrology of which this is number 3. The editorial board in charge of the series include: V.A. Uryayev (Chairman), O.A. Alekin, Ye.V. Bliznyak (deceased), O.K. Korotkiy, M.A. Velikanov, L.K. Davydov, A.P. Donitskiy, O.P. Malin, S.K. Krutitskiy, B.I. Kudelin, L.P. Mando, M.P. Mendel, O.F. Spengler, I.V. Popov, A.K. Proskuryakov, D.L. Sokolovskiy, O.F. Spengler, A.I. Chebotarev, and S.K. Cherkavskiy. This volume is divided into 2 sections: the first contains reports on the study of the snow cover for the study of evaporation processes and the second contains reports from the snow and ice subsection. References accompany each article.

Budagovskiy, A.I. [Candidate of Technical Sciences, Institute of Geography, Moscow] Evaporation From the Surface of a Vegetation Cover 195

Kuz'min, P.P. [Candidate of Geographical Sciences, Institute of Geography, Moscow] Study of the Snow Melting Process Under the Conditions of Intersected and Wooded Area 222

Spengler, O.A. [Candidate of Geographical Sciences, OOI Lenin-grad] Certain Characteristics of the Snow Cover Distribution in Northern Kazakhstan 231

Orishin, I.S. [Junior Scientific Worker] Special Features in the Distribution of the Snow Cover in Don River Basin 234

Tunov, I.V. (deceased) [Candidate of Geographical Sciences, TAP Moscow] Basic Features of Snow Cover in European USSR (According to the Data of the Snow Survey) 241

Plakida, M.E. [Docent, Candidate of Technical Sciences] Problems Arising in the Study of the Melting of Water Reservoirs in Relation to the Construction of Hydraulic Engineering Harbor Installations 243

Bydin, P.I. [Doctor of Technical Sciences, Laboratory of Limnology, Leningrad] Development of Certain Problems in the Fields of Ice Conditions in Bodies of Water 246

Bulatov, S.M. [Junior Scientific Worker, TAP Moscow] The Effect of Water Conditions in Winter on the Ice Melting and the Ice Break-up of Rivers 253

Kuz'min, P.P. [Candidate of Geographical Sciences, OOI Lenin-grad] Methods and Results of Computing the Intensity (Rate) of Snow Melting in European USSR 270

Biryukov, M.S. [Candidate of Geological and Mineralogical Sciences, Institute of Forestry, Uspenskiy Scientific Station] Evaporation of the Taiga zone as Determined by the Forest Range of the Khabarovskoye Forest District in the Volgodonskaya Oblast' 119/12

KUZ'MIN, Prokofiy Pavlovich; SPENGLER, O.A., otv.red.; PROTOPOPOV,  
V.S., red.; VLADIMIROV, O.G., tekhn.red.

[Formation of the snow cover and methods of determining the  
snow supply] Formirovanie snezhnogo pokrova i metody oprede-  
leniya snegozapasov. Leningrad, Gidrometeor.izd-vo, 1960.  
169 p. (MIRA 13:7)

(Snow surveys)

KUZ'MIN, Prokopay Pavlovich; ROMANOV, V.V., kand. tekhn. nauk, otv.  
red.; DERYUGINA, V.N., red.; BRAYNINA, M.I., tekhn. red.

[The process of the melting of snow] Protsess taiania snezhnogo  
pokrova. Leningrad, Gidrometeor.izd-vo, 1961. 344 p.  
(MIRA 15:1)

(Thawing)

(Snow)